## AMENDMENTS TO THE CLAIMS

- 1. (Canceled)
- 2. (Currently Amended) The lens unit according to claim [[1]] 4, wherein the scanning device is a multibeam scanning device which simultaneously scans a plurality of light beams emitted by multiple light emitting elements on a scan target surface by dynamically deflecting the light beams by use of a deflecting system, the lens unit being used for each of the multiple light beams.
- 3. (Currently Amended) The lens unit according to claim [[1]] 4, wherein the other end portion of the retainer is formed of a screw thread portion, and where an inner surface of the frame at a portion facing the other end portion of the retainer is formed of a screw thread portion to engage with the screw thread portion of the retainer.
- 4. (Currently Amended) The lens unit according to claim 1, A lens unit for a scanning device, comprising:
- a frame having a hollow cylindrical shape, the frame being defined with a lens contact portion therein;
- a lens accommodated in the frame contacting the lens contact portion defined in the frame; and

a retainer accommodated in the frame to retain the lens in position, the retainer having a hollow cylindrical shape, one end side face of the retainer contacting a peripheral portion of the lens received by the frame, another end portion of the retainer being secured to the frame so that the retainer presses the lens toward the lens contact portion of the frame to fix the lens to the frame,

wherein deformation of the frame, lens and retainer due to the load
generated as the retainer presses the lens absorbs deformation of the frame, lens
and retainer due to temperature change at least within a predetermined temperature
range so that a fixed status of the lens with respect to the frame is not released due
to the temperature change within the predetermined temperature range,

wherein the lens has a linear expansion coefficient  $\rho_1$ , a longitudinal elastic modulus  $E_1$ , and a cross-sectional area  $S_1$  orthogonal to an optical axis direction,

wherein the frame has a linear expansion coefficient  $\rho_2$ , a longitudinal elastic modulus  $E_2$ , and a cross-sectional area  $S_2$  orthogonal to the optical axis direction, in which the optical system is installed,

wherein the retainer has a linear expansion coefficient  $\rho_3$ , a longitudinal elastic modulus  $E_3$ , and a cross-sectional area  $S_3$  orthogonal to the optical axis direction, the retainer applying the lens with a load P,

wherein the lens unit being configured to satisfy following condition:

$$\Delta t \{ \rho_2 L_2 - (\rho_1 L_1 + \rho_3 L_3) \} < P \left( \frac{L_1}{E_1 S_1} + \frac{L_2}{E_2 S_2} + \frac{L_3}{E_3 S_3} \right),$$

wherein,

 $L_1$  represents a length of the lens from a contact point of the lens and the lens contact portion of the frame to a contact point of the lens and the retainer in the optical axis direction at a predetermined temperature  $t_0$ ,

 $L_2$  represents a length of the frame from the contact point of the lens and the lens contact portion of the frame to a lens side end of the other end portion of the retainer at a predetermined temperature  $t_0$ ,

 $L_3$  represents a length of the retainer from the contact point of the lens and the retainer to the lens side end of the other end portion of the retainer at a predetermined temperature  $t_0$ ,

wherein 
$$L_2 = L_1 + L_3$$
, and

wherein  $\Delta t$  represents a change of temperature with respect to the predetermined temperature.

5. (Original) The lens unit according to claim 4, wherein materials and lengths of the frame, lens and retainer are determined to satisfy a following condition:

$$\rho_2 L_2 = \rho_1 L_1 + \rho_3 L_3.$$

- 6. (Original) The lens unit according to claim 4, wherein the predetermined temperature range is a range from -20°C to +70°C.
- 7. (Original) The lens unit according to claim 4, wherein the predetermined temperature  $t_0$  is closer to the upper end of the predetermined temperature range than the lower end thereof, and wherein  $\rho_2 L_2 < \rho_1 L_1 + \rho_3 L_3$ .
- 8. (Original) The lens unit according to claim 4, wherein the predetermined temperature  $t_0$  is closer to the lower end of the predetermined temperature range than the upper end thereof, and wherein  $\rho_2 L_2 > \rho_1 L_1 + \rho_3 L_3$ .